

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
REINHARD JOHO ) Group Art Unit: Unassigned  
Application No.: Unassigned ) Examiner: Unassigned  
Filed: July 6, 2001 )  
For: STATOR WINDING FOR AN )  
ELECTRICAL MACHINE )

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned patent application, it is requested that  
the following amendments be entered.

**IN THE CLAIMS:**

Please replace Claims 1-8 as follows.

1. (Amended) Stator winding for an electrical machine, where in said stator winding, in the winding slots of a stator core, two each conductor bars are arranged between the slot base and boring of the stator core on top of each other, whereby each of the conductor bars comprises a plurality of juxtaposed strand columns or strand planes, wherein the conductor bar close to the boring is provided with more strand columns or strand planes than the conductor bar close to the slot base.

2. (Amended) Stator winding as claimed in Claim 1, wherein the conductor bar close to the slot base is constructed as a single Roebel bar with two strand columns or strand planes, and that the conductor bar close to the boring is provided with three or more strand columns.

3. (Amended) Stator winding as claimed in Claim 2, wherein the conductor bar close to the boring is constructed as a twin Roebel bar with four strand columns or strand planes.

4. (Amended) Stator winding as claimed in Claim 1, wherein the effective total width of the strand columns in both conductor bars is approximately the same.

5. (Amended) Stator winding as claimed in Claim 4, wherein the effective height of the strand columns of the conductor bar close to the boring is at least as high as the effective height of the strand columns of the conductor bars close to the slot base.

6. (Amended) Stator winding as claimed in Claim 5, wherein the effective heights of the strand columns of the two conductor bars are the same.

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7. (Amended) Stator winding as claimed in Claim 1, wherein corresponding conductor bars are connected at the bar ends, and that the eye is made for all strand columns together.

8. (Amended) Stator winding as claimed in Claim 3, wherein the corresponding conductor bars are connected at the bar ends, and that the eye is made separately for corresponding strand columns of the two conductor bars.

[illegible]

**REMARKS**

By way of the foregoing amendments to the claims, Claims 1-8 have been amended to delete the multiple dependencies and reference numerals, and to replace the words "characterized in that" with the word "wherein". These changes have been made in accordance with 37 C.F.R. § 1.121 as amended on November 7, 2000. Marked-up versions of Claims 1-8 indicating the changes accompany this Preliminary Amendment.

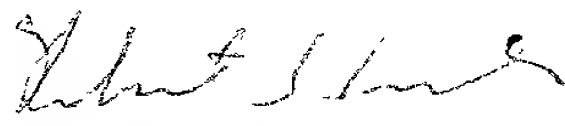
Early and favorable consideration with respect to this application is respectfully requested.

Should any questions arise in connection with this application, the undersigned respectfully requests that he be contacted at the number indicated below.

Respectfully submitted,

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**Attachment to Preliminary Amendment dated July 6, 2001**

**Marked-up Claims 1-8**

1. (Amended) Stator winding for an electrical machine, where in said stator winding, in the winding slots [(11)] of a stator core [(10)], two each conductor bars [(15, 17)] are arranged between the slot base [(21)] and boring [(22)] of the stator core [(10)] on top of each other, whereby each of the conductor bars [(15, 17)] comprises a plurality of juxtaposed strand columns [(15a,...,d or 17a,b)] or strand planes, [characterized in that] wherein the conductor bar [(15)] close to the boring is provided with more strand columns [(15a,...,d)] or strand planes than the conductor bar [(17)] close to the slot base.

2. (Amended) Stator winding as claimed in Claim 1, [characterized in that] wherein the conductor bar [(17)] close to the slot base is constructed as a single Roebel bar with two strand columns [(17a, b)] or strand planes, and that the conductor bar [(15)] close to the boring is provided with three or more strand columns [(15a,...,d)].

3. (Amended) Stator winding as claimed in Claim 2, [characterized in that] wherein the conductor bar [(15)] close to the boring is constructed as a twin Roebel bar with four strand columns [(15a,...,d)] or strand planes.

4. (Amended) Stator winding as claimed in [one of Claims 1 to 3] Claim 1, [characterized in that] wherein the effective total width of the strand columns [(15a,...,d or 17a,b)] in both conductor bars [(15,17)] is approximately the same.

**Attachment to Preliminary Amendment dated July 6, 2001**

**Marked-up Claims 1-8**

5. (Amended) Stator winding as claimed in Claim 4, [characterized in that] wherein the effective height of the strand columns [(15a,...,d)] of the conductor bar [(15)] close to the boring is at least as high as the effective height of the strand columns [(17a,b)] of the conductor bars [(17)] close to the slot base.

6. (Amended) Stator winding as claimed in Claim 5, [characterized in that] wherein the effective heights of the strand columns [(15a,...,d or 17a,b)] of the two conductor bars [(15,17)] are the same.

7. (Amended) Stator winding as claimed in [one of Claims 1 to 6] Claim 1, [characterized in that] wherein corresponding conductor bars [(15, 17)] are connected at the bar ends, and that the eye [(18, 19)] is made for all strand columns [(15a,...,d; 17a,b)] together.

8. (Amended) Stator winding as claimed in Claim 3, [characterized in that] wherein the corresponding conductor bars [(15,17)] are connected at the bar ends, and that the eye [(18a, 19a; 18b, 19b)] is made separately for corresponding strand columns [(15a,b; 17a or 15c,d; 17b)] of the two conductor bars [(15,17)].